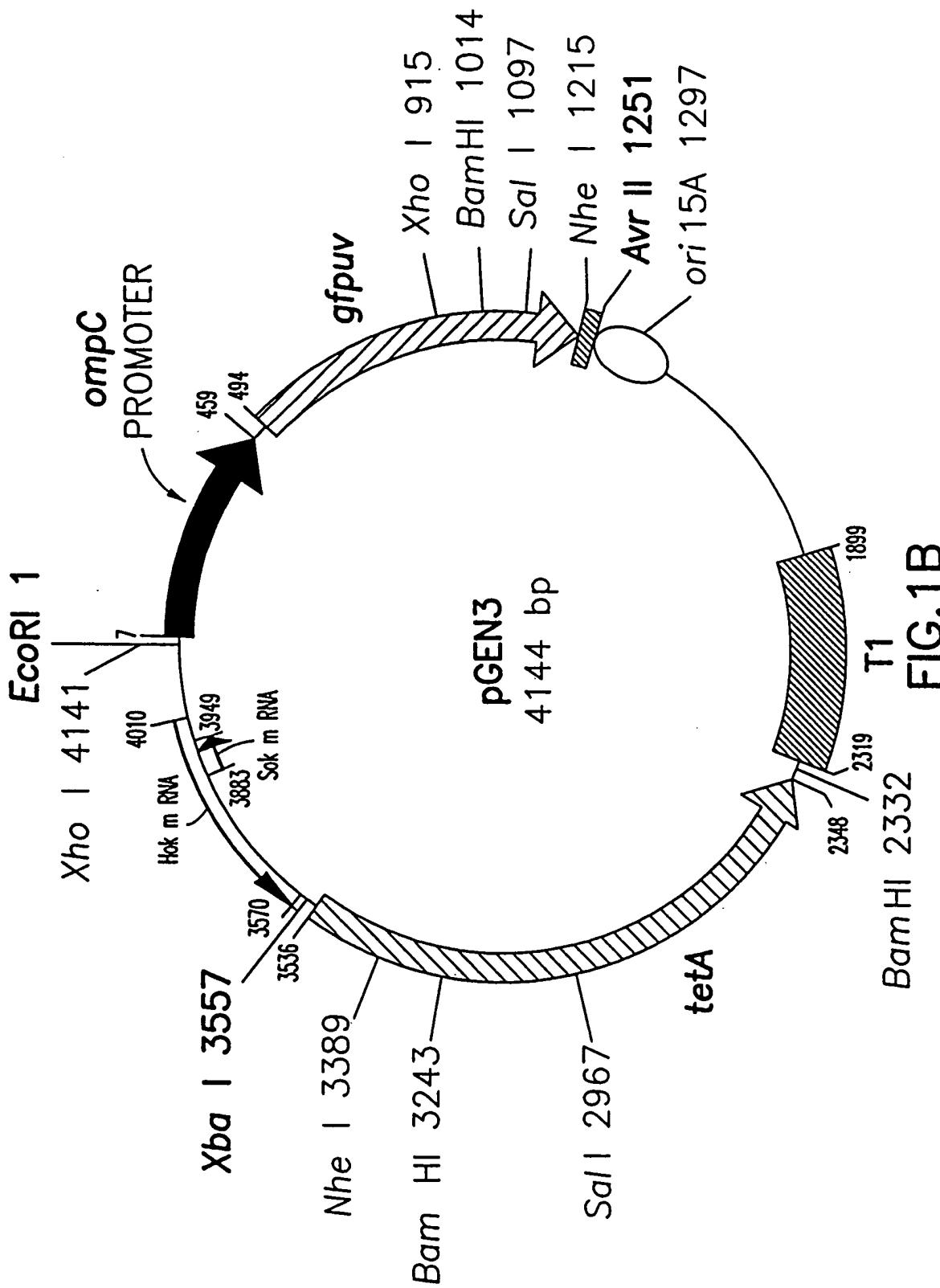


FIG. 1A

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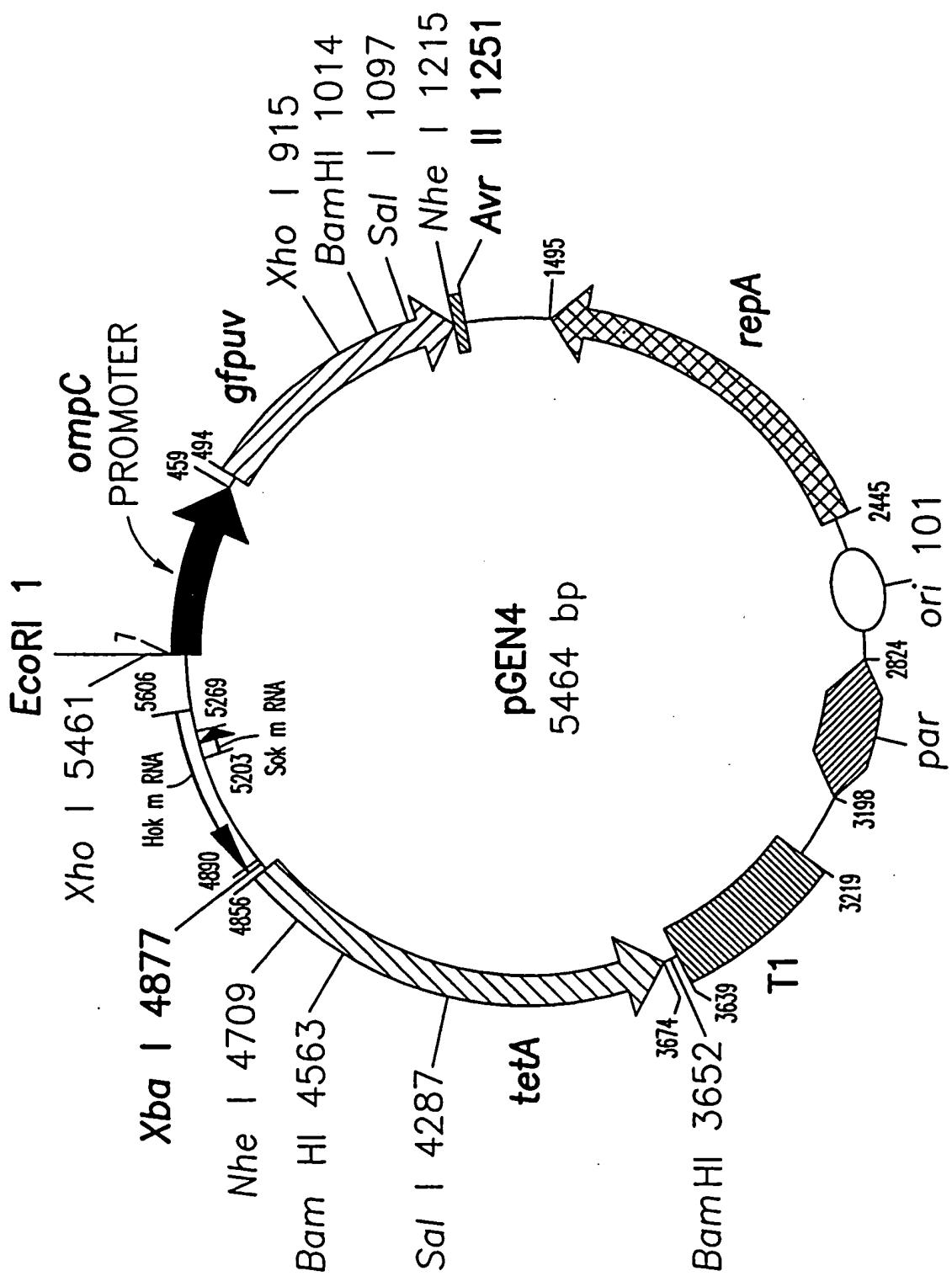


FIG. 1C

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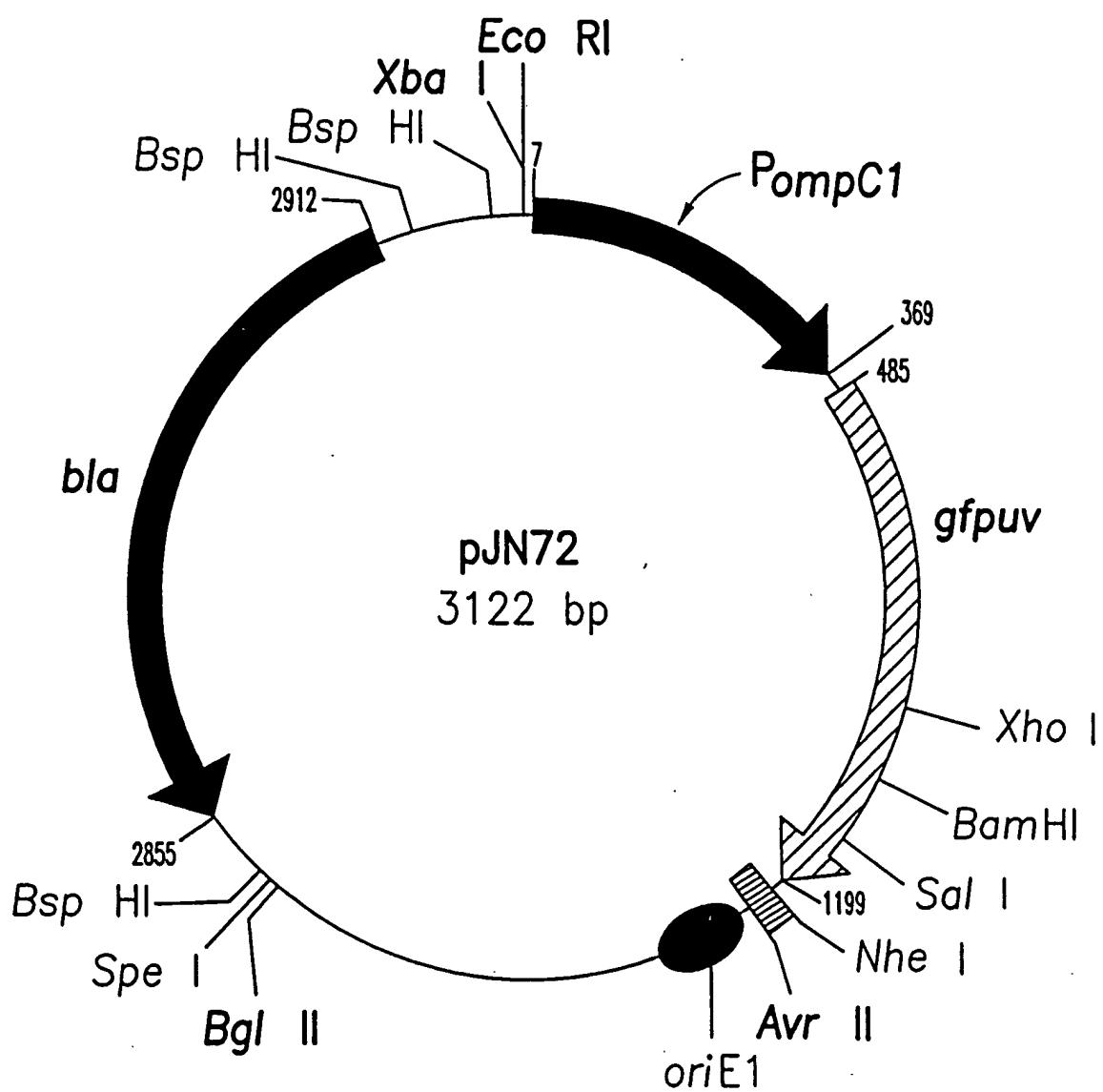


FIG.2A

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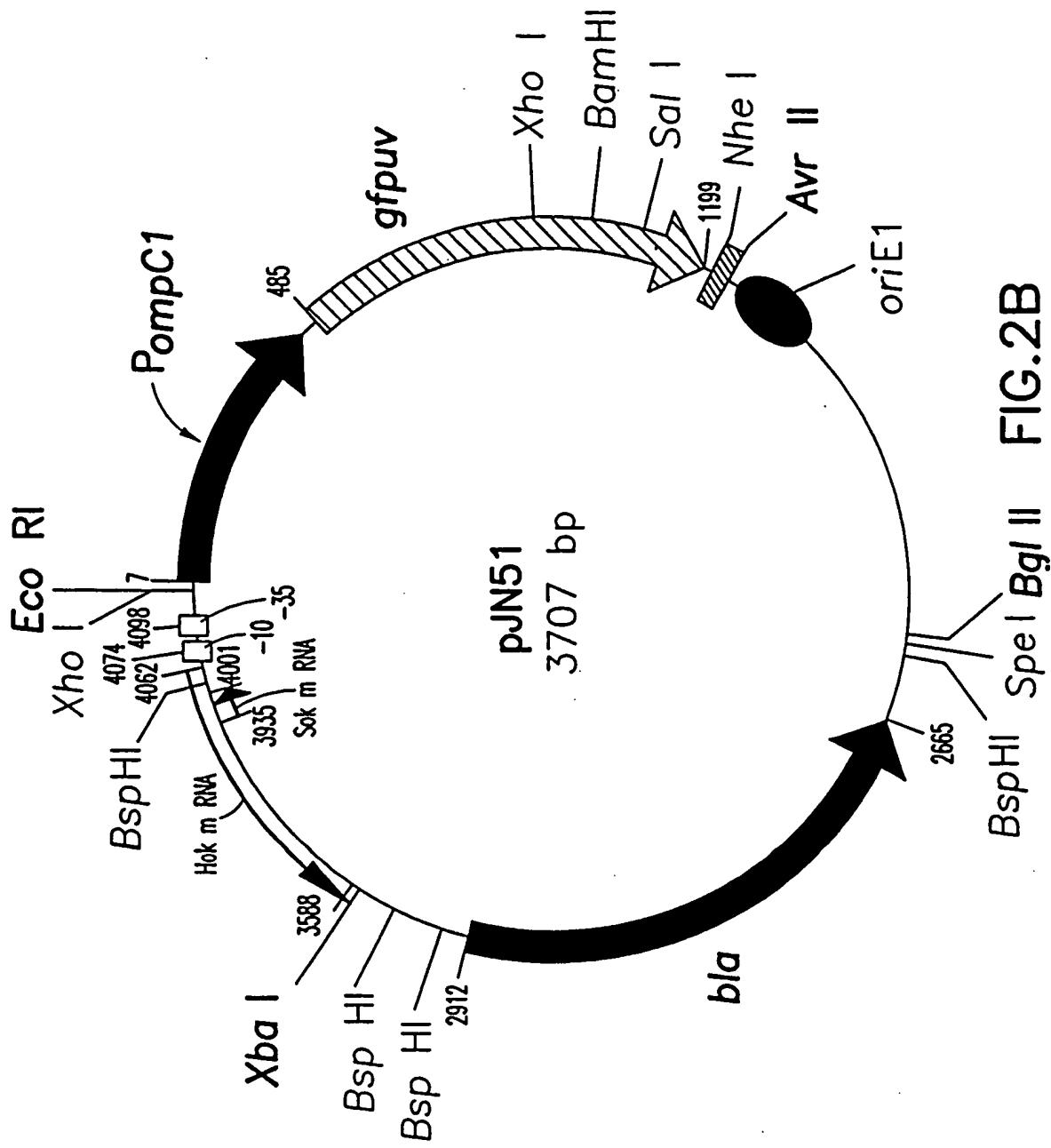


FIG. 2B

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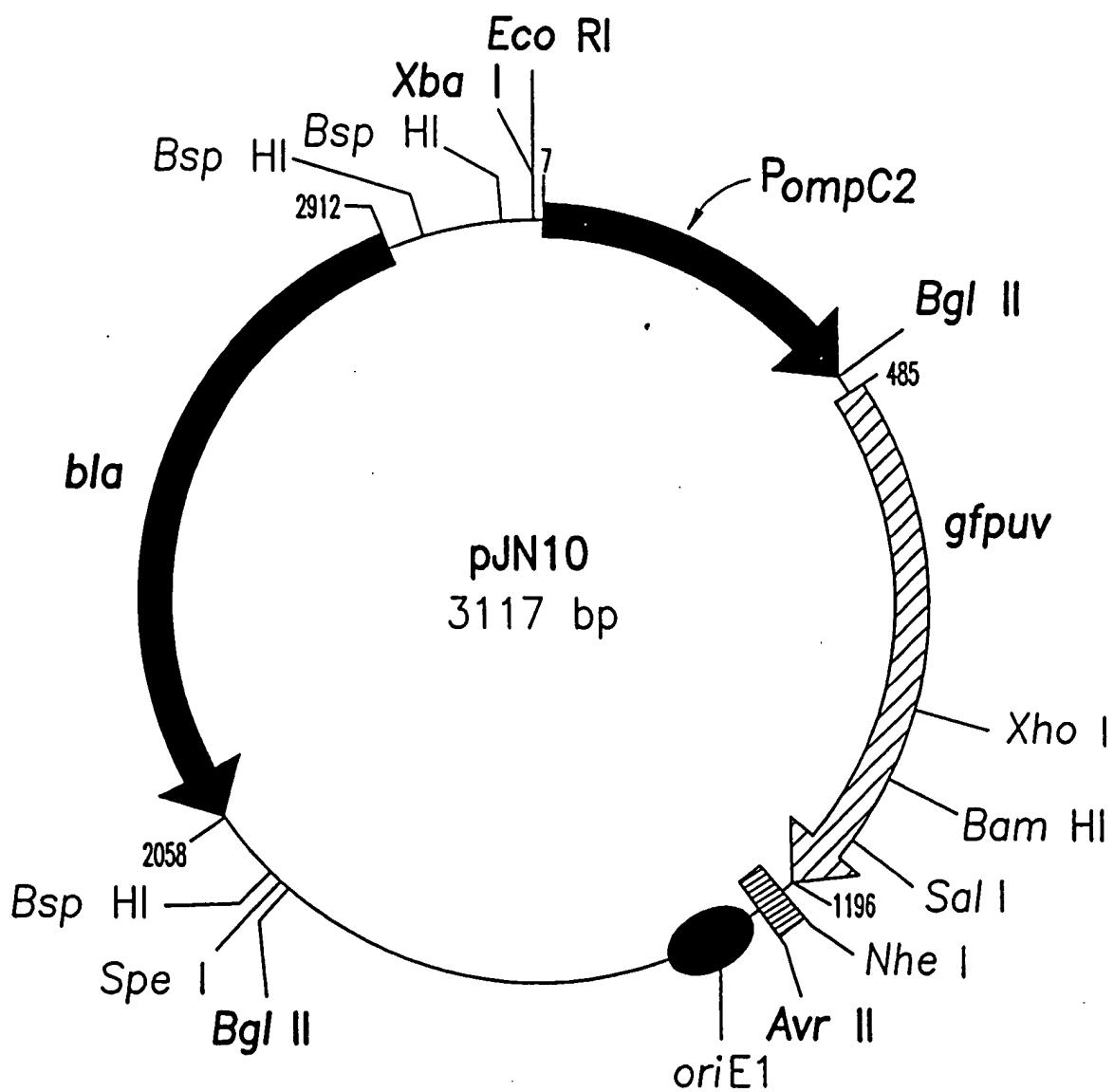


FIG.2C

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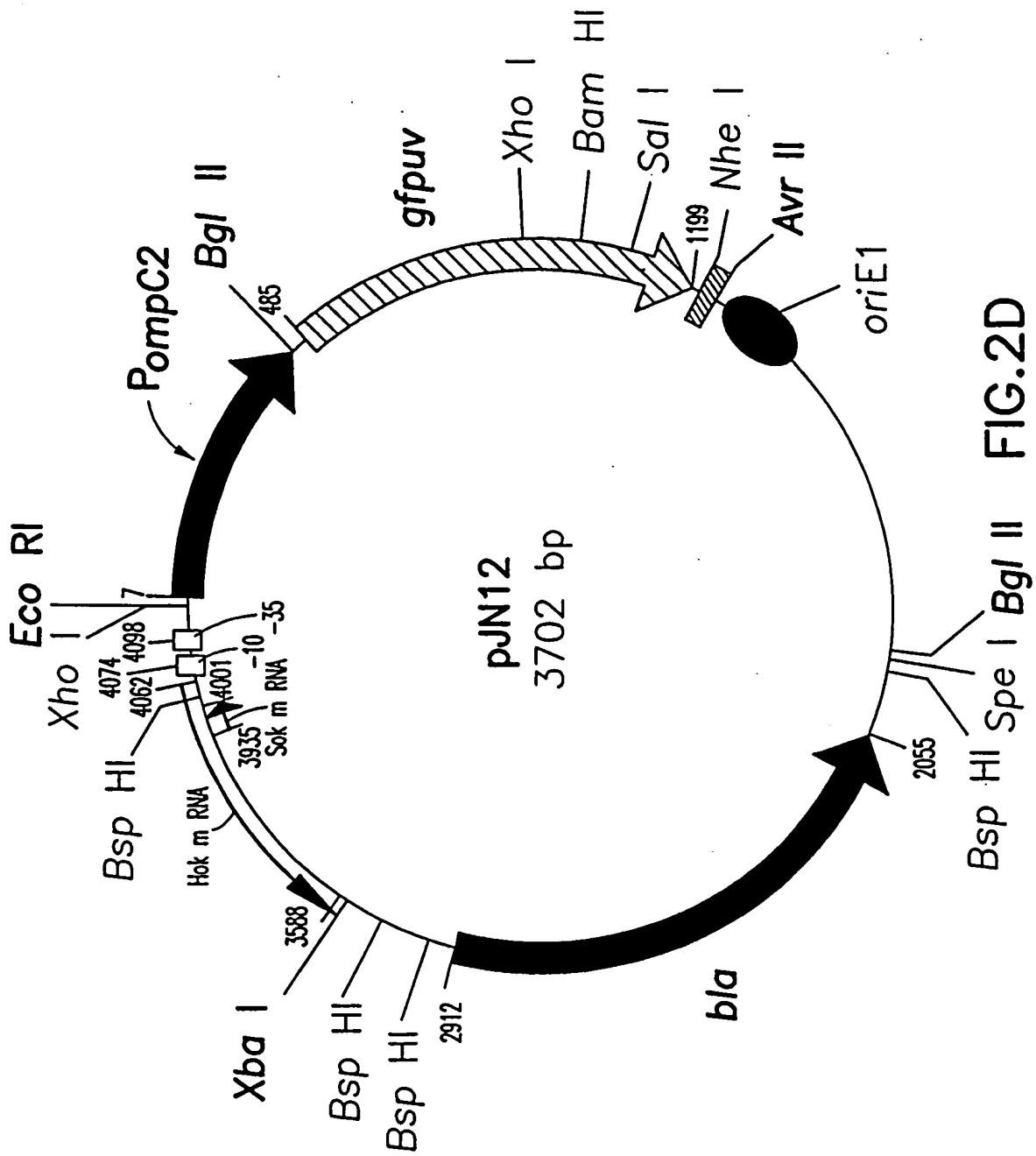


FIG. 2D

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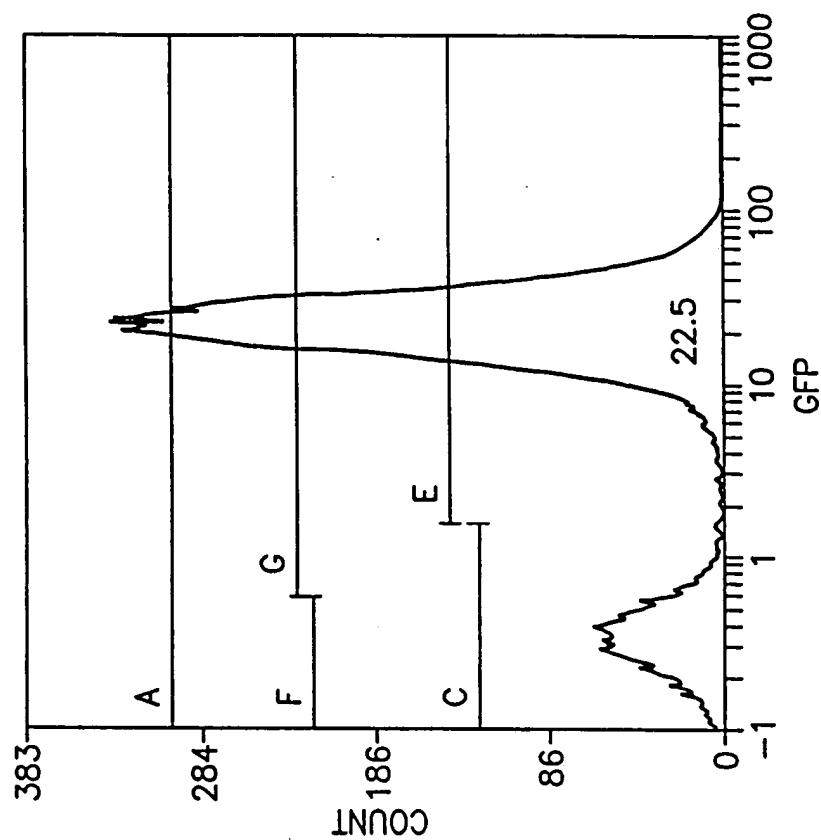


FIG.3B

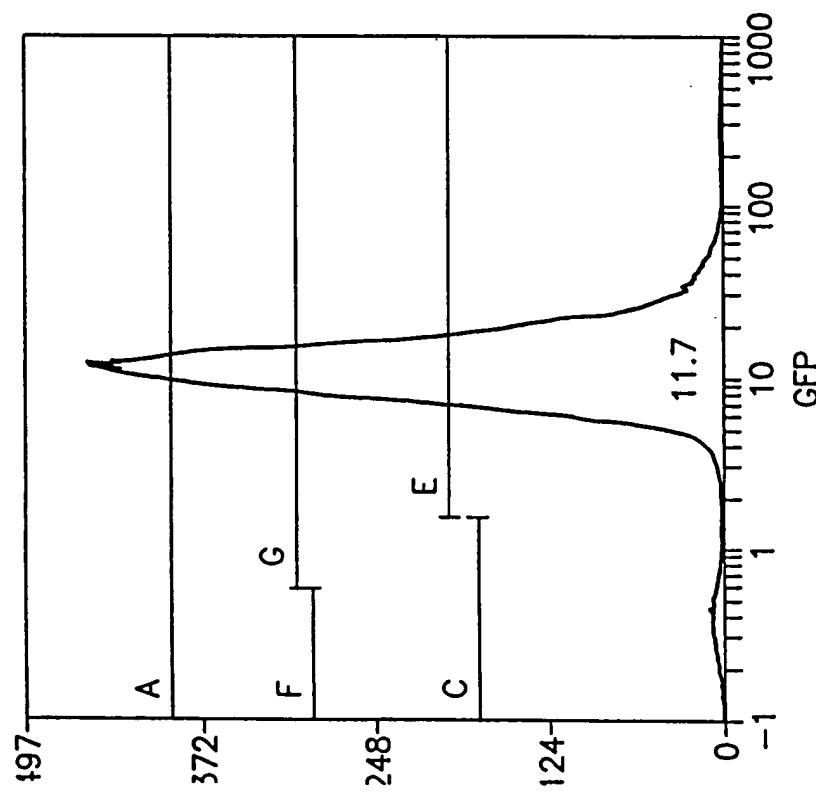


FIG.3A

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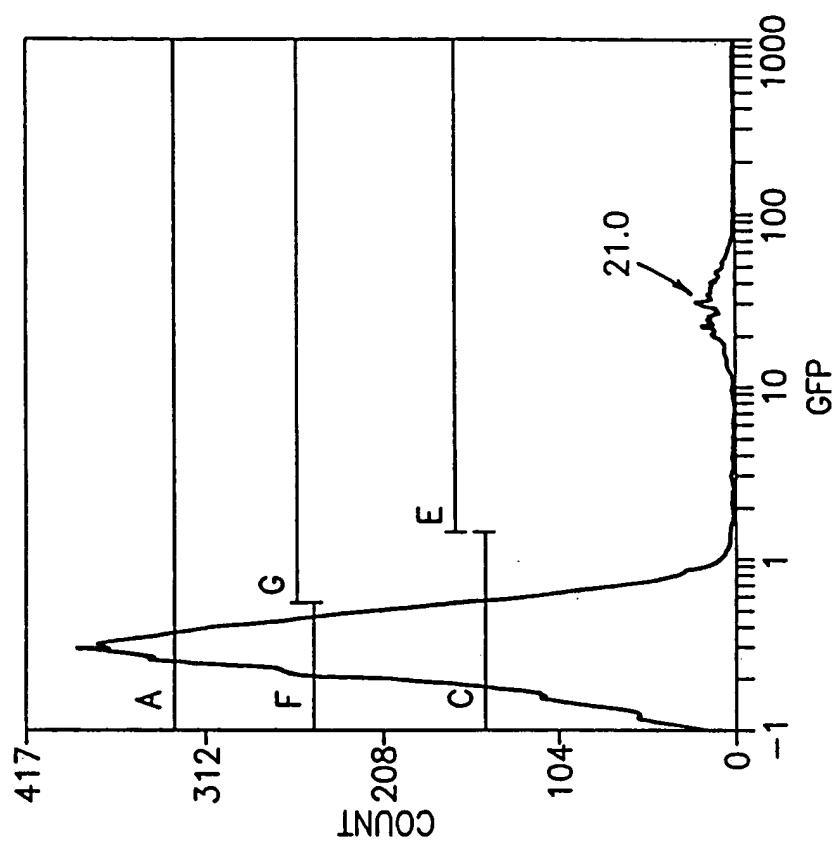


FIG.3D

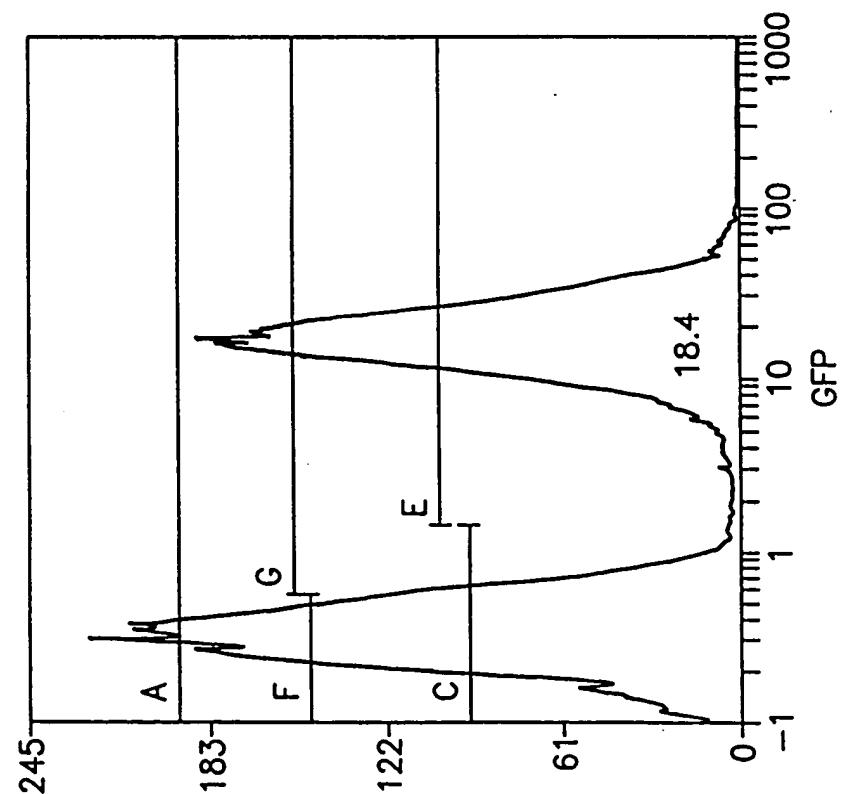


FIG.3C

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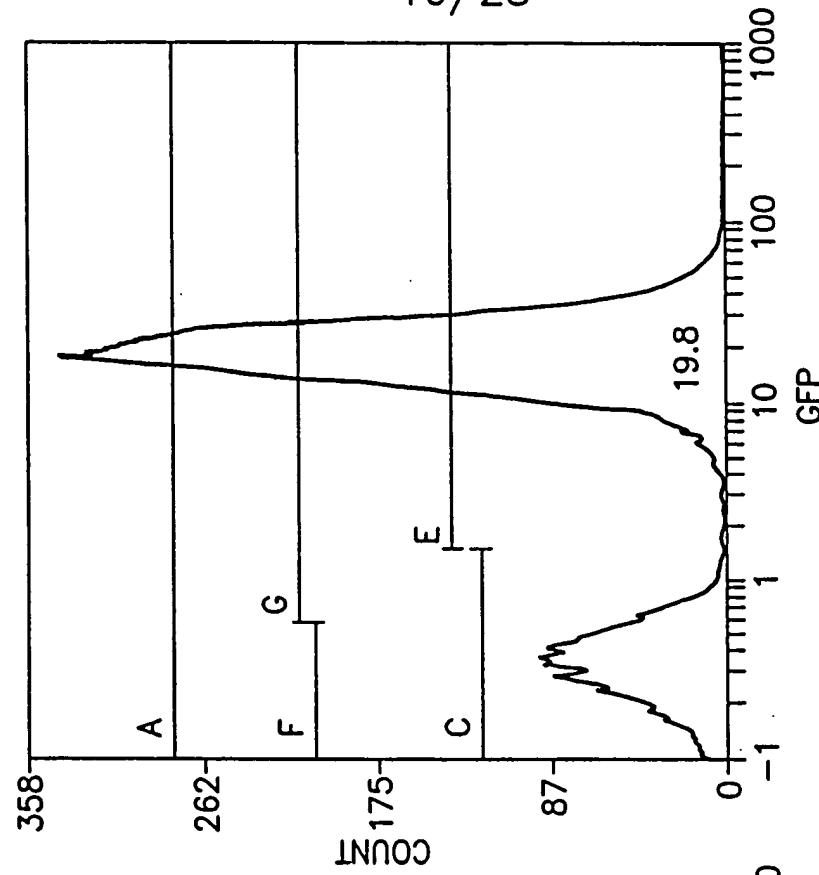


FIG.3F

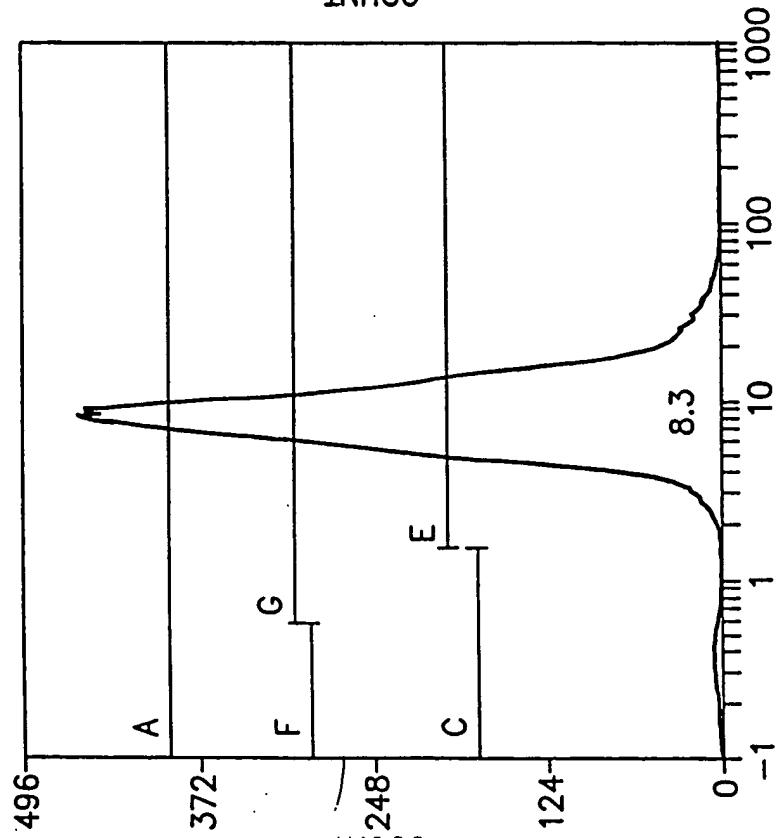


FIG.3E

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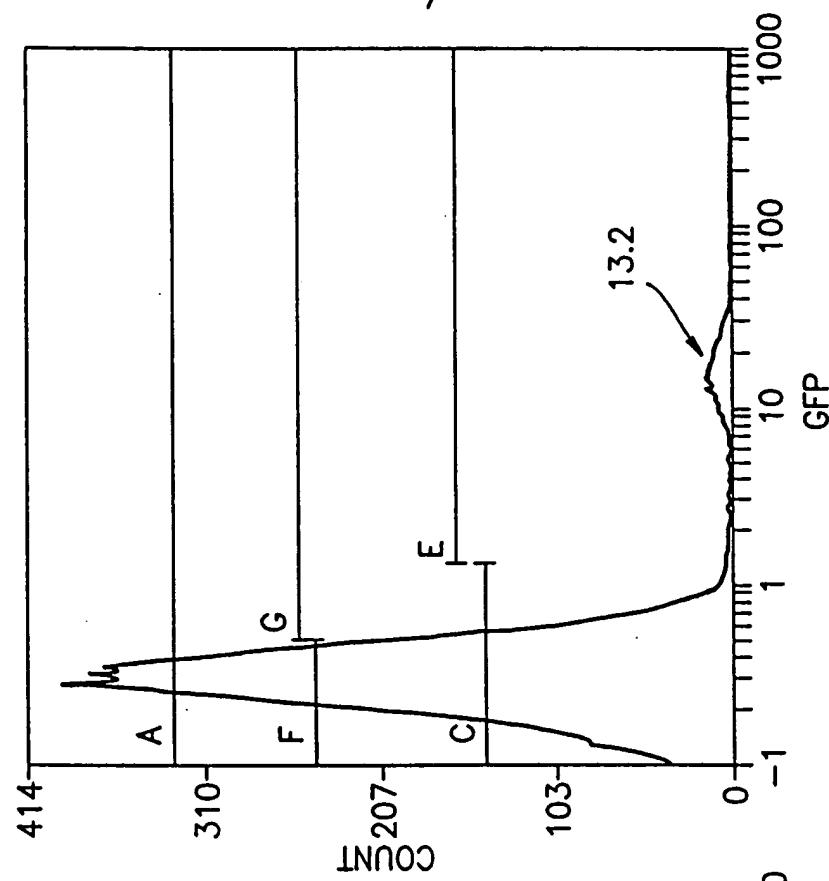


FIG. 3H

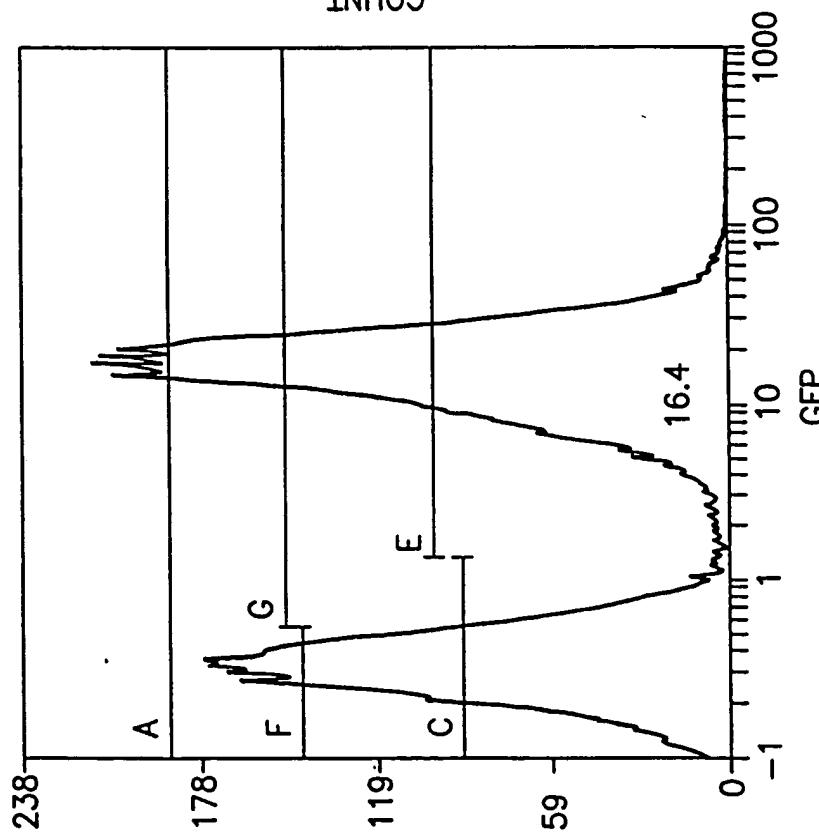


FIG. 3G

FIG. 4A

gaattctgtg gtagcacaga ataatgaaaaa gtgtgtaaaaa aagggtaaaaa aaaaacggaaat 60
gogaggccatc cggtttgaat agggttaaac agacattcag aaatgaaatga oggttaataaa 120
taaagttaat gatgatagog ggaggttatttc tagttgogag tgaagggttt gttttgacat 180
tcagtgttgtt caaataactta agaataaagt attgatttta accttgaattt attatttgctt 240
gatgttagt gcttattttagt gcatattttagt gcaatttgcata aatatttttaaa aagtttcoct tgcatttaca 300
ttttgaaaca tctatagoga taaatgaaac atctttaaaag tttagtatac atatttgttgc 360
tggatttttc tgcatttttg gggagaatgg acttgoogac tgattaaatga gggtaatca 420
gtatgcagt gcataaaaaa gcaaaataaaag gcatataaca gatogatttt aaacatccac 480
ctgatgagta aaggagaaga acttttcaact gtagttgtcc caatttttgttgc 540
aggaggat tgaatttagat ggtgtatgtta atgggcacaa attttctgtc agtggaggagg gtgaagggtga 600
tgcaacatc gggaaaactta coctttaaattt tatttgcaact actggaaaac taocttttac 660
atggccaaca ctgtcacta ctttctttta tggtgttcaa tgcttttcc gtttattoogga 720
tcattatccttcaaa oggcattgact tttcaagag tggcatgccc tgccatgccc 780
cactatatc ttcaaaagatg acgggaacta caagacgggt gctgaagtca agtttggaaagg 840
tgattacoctt gttaaatogta togtgttaaa aggtattgtt tttaaaggaaat atggaaaacat 900
tctoggacac aactogagt acaactataa ctcacacat gtatacatca oggcagacaa 960
acaaaagaat ggaatcaaag ctaacttcaa aatttgcac aacattgtaaag atggatooft 1020
tcaactagca gacccattatc aacaaaataac tocaatttgc gatggcoctg tocttttacc 1080

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jacaaccat taocgttoga cacaatctgc acttttogaaaa gatccaaagg aaaagggatgaa 1140
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jacaataa tgaggcttagcc ogcctaattga gogggtttt ttttctggc cttagggccagg 1260
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aaacccaaatggtaa cggctggcggcc ttatccggta actatogtct ttagtccaaac 1620
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zogctcagt agatctaaaaa cactaggcc aagagtttgcg agaaaoggcaa aaaggccatc 1980
tgtcaggatg gacttctgtc taatttgcgt cctggcgtt tatgggggc gtactggcgg 2040
caacccaaatggatggcggcc ttggatggat caaatoogct cooggccggat ttgttctact 2100
aggagagcc ttccacccgaca aacaacagat aaaaoggaaagg gccccgttcc togactggcgc 2160

FIG. 4B

FIG. 4C

ttttagtttt atttgatgcc tggcagttcc ctactcttcg atggggagac cccacactac 2220
zatcggtttc aagggtttc acttctgagt tggcatggg gtcagggtggg accaaoggc 2280
tactgcggcc aggcaattc tgtttatca gacogcttct gogttctgtat ttaatctgtta 2340
tcaggctgaa atcttcttc catcggccaa aacagccaag ctggatccc gatcttatca 2400
tgtcgagggtg gcooggctcc atgcacoggg aogcaagg 99gaggccaga caagttatag 14/28
acaatccatg ocaaaoogttt ccaatccatg atggcaccatg aatggggatgggg 99gaggccaga 2460
ggggggactt cgggttccatg tgatogaatgt tagctgtgtt agagggggaa gggatcttg 2520
tgtgaatgtc aactgttccatg catctacccgt cctggacacgc atggcctgca 2580
aaggctgtcc tcgtatgggtgtt catctacccgt aatggggaaatg gccatccatc aoggggcat 2640
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taatggatcc gcaaggagaca gggggatcat gggggatcat ggtggatcc 99gaggccataa 2880
gaaaatgacc caggaggctg cggggggatcc 99gaggccataa 99gaggccataa 2940
cataatgttcc gggatggatgtt tcatggccatgc tggatggccatgc 99gaggccataa 3000
ggctctcaag ggcatgggtc gggatggatgtt tcatggccatgc tggatggccatgc 99gaggccataa 3060
cagtagttagg ttggggggatggatgtt tggatggccatgc tggatggccatgc 99gaggccataa 3120
ggggccaaat gttccccatggccatgc tggatggccatgc 99gaggccataa 99gaggccataa 3180
catggggatggatgttcc cccatggccatgc 99gaggccataa 99gaggccataa 3240

			15	28
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aggactggg	aggggggcaa	aggggttoggaa	cagtgtctcgg	gctccaagta
gcatcaac	gratatacg	ctggatatacg	gcaatgtgac	ogcatagaaa
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ataaaggcg	cttcagtagt	cagaaccagca	tcagtoctga	gcaggaaacca
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cttgtaaog	aatctogcac	agogattttc	gtgtcagata	ctgogoaggc
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tttgogcaa	agogoggtaa	cgaggctatoc	tgatgtggac	ctgtgttgcgt
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zaaaccac	ttcaogtcat	gactatcttct	ttctgtccatg	gatgttgcgt
taacttgac	gctgaccaca	gaggcttatcc	tagacatagg	gatgttgcgt
gggaaatc	cggtggatcc	tttactttcc	tttactttcc	tttactttcc

FIG. 4D

ttacaaaataa tgaggcttagcc agccctaataatga gggggctttt ttttctggc ctaggagata 60
tttaaacaggg aagttagagg ggccggggccaa agcgggtttt ocatagggttc ogcccccccttg 120
acaagaatca cggaaatctga cgctcaaaatc agtgggtgggg aaaccggaca ggactataaa 180
gtatccaggc gtttccccc gggggctcoo tggggctc toctggctc toctgtttoct gacttttgggt 240
ttacgggtgt catccggctg ttatggccgc gtttgtctca ttccaaaggctt gacactcagt 300
tggggtagg caggtagctc caagctggac tggatgcaog aaccccccgt tcagtcogac 360
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ttaggccaa actgaaaaggaa caaggttttgg tgactggcgct cctccaaggcc agtttaacttag 540
tttccaaaggag ttggtagctc agagaacctt ogaaaaaacgg ccctgcaagg oggttttttc 600 16/28

FIG.5A

tttcagag caagagatta cggcaggacc aaaaaggatct caagaagatc atcttattaa 660
tagataaaa tatttcttagg atctaaaaca ctagggcccaa gagtttgttag aaacgcaaaa 720
ggccatcg tcaggatggc cttctgttta attttgtatgoc tggcaggttta tggggggggt 780
tgtggccg acoccaoggg cogttgtttc gcaaaogttca aatcogctcc ogggggattt 840
ccatctca ggagagggtt cacggacaaa caacagataaa aacggaaaggc ccaggctttc 900
actgagcct ttgttttat ttgtatgctg gcagttccct actctogcat gggggagaaccc 960
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acccggcta ctggggccag gcaaattctg ttttatcaga cogcttctgc gttctgtattt 1080
atctgtatc aggctgtaaa tcttctctca ttcggccaaaa cagccaaagct ggatccccga 1140
tttatcagg ttcgggtggc cggctccat gcaacggggc gcaacggggc gaggcag 1197 17/28

FIG. 5B

ctacaaataa	ttagcttagcc	cgcctaataatga	gggggctttt	ttttctoggc	ctaggttttca	60
octgttctat	tagtgtttac	atgtctgttc	tctgttacat	tgtogtatcg	ttcatgggtga	120
acagctttaa	atgcacccaaa	aactogtaaa	agctctgatg	tatcttatct	ttttacaatcg	180
ttttcatctg	tgcataatgg	cagttttccc	tttgatatct	aaogggtgaaac	agtgtttctta	240
ctttgttgc	ttagtgttga	tgcttcactg	atagatacaa	gagccataag	aaactcagat	300
ctttoogtat	ttagccagta	tgttctctag	tgtggtttgc	tgtttttgog	tgagocatgta	360
gaaoaaacca	tttagatcat	gcttactttg	catgtcactc	aaaaattttg	octcaaaact	420
ggtgagctga	ttaaaggcatc	gtgttagtgc	tttcttagtc	ogtttaoatgc	ogtttaoatgc	480
gttaggaatct	tttttgatgg	tttgtcacca	ttcattttta	tctggttgtt	540	18/28
ctcaagttcg	gtatgtaatgg	ttttttgtat	tttcatattg	tttttttttt	tcaaaatctt	600
agttgggg	octogcttat	caaccaccaa	tttcatattg	ctgttaagtgt	ttaaattttt	660
acttttttgt	gttaoagatgt	ccatttttgt	atcttagttca	actttggaaaa	tcaaogtatc	600
cattaacatcg	ttcaaaaaccc	attgggttaag	cctttttaaac	tcatggtagt	tattttcaag	720
tttgttttagt	aacttaaattt	catcaaggct	aatctctata	tttgoctttgt	gagttttcttt	780
cttaaacatgt	tttttttaata	accactcata	aatoctcata	gagtattttgt	tttcaaaaaga	840
tttgttttagt	ttttttttat	tttttttaac	tttttttaac	ttttttttgt	ttttttttgt	900
cttttcaacta	aaaaacttaatt	ctaaattttc	gcttgagaac	ttggccatagt	ttgtocactg	960
gaaaatctca	aaggccccaa	ccaaaggatt	cttgatttcc	acatctctcg	tcatcagctc	1020
tctggttgtct	ttagcttaata	caccataaagc	atttttcocta	ctgatgttca	tcatctgagc	1080

FIG. 6A

FIG. 6B

jacagggtcat tcagactggc taatgcaccc agtaaggcag oggtatcatc aacaggctta 1980
ccogtcttac tgtcaacogg atctaaaaca ctaggoccaa ctggatgtttaa gaggttgttag aaacggaaaa 2040
aggccatcgg tcaggatggc ttctgttttta atttgatgcc tggcagttttta tgccgggggt 2100
xctggccggc aacccggcc accctgggg cgggtgtttc gcaaaatcca aatccgttcc cggggattt 2160
jtccatcta ggagaggggtt cacccacaaa caacagataa aacggaaaggc ccaggcttttc 2220
jactgagct ttctgttttat ttgtatgtttcg gcaggttccct actctogcat ggggagaaacc 2280
cacactaaca tggggatctac gggtttcac ttcttagtttc ggcattttc cagggtggac 2340
zacccggctaa ctggggccatc gcaaaattctgt ttttatcaga cogtttctgc gttctgtattt 2400
zatctgtatc aggctgaaaa ttctctca toogccaaa cagccaaatc ggatccccoga 2460 20 / 28
tctttatcgg tggggatggc cgggttccat gcaacggac gcaaaogggg gaggccagaca 2520
aggatataggg cggggatctac aatccatgcc aaccggttcc atgtgttcc agggggggca 2580
taaatgggg tgacgatcgg cgggtccatcg atogaaggatc ggctggtaag agccggggggc 2640
jatcctt

FIG. 6C

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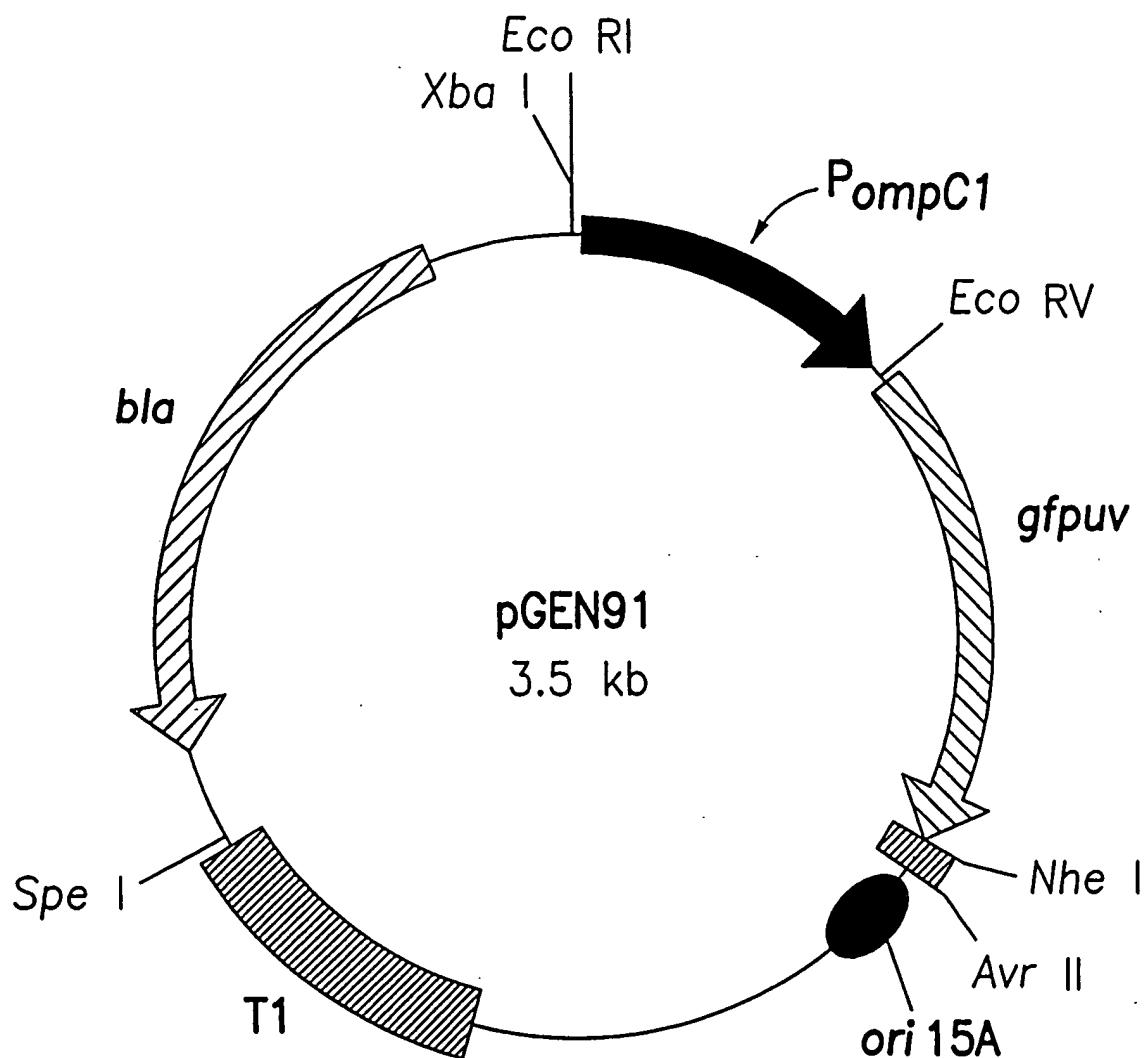


FIG.7A

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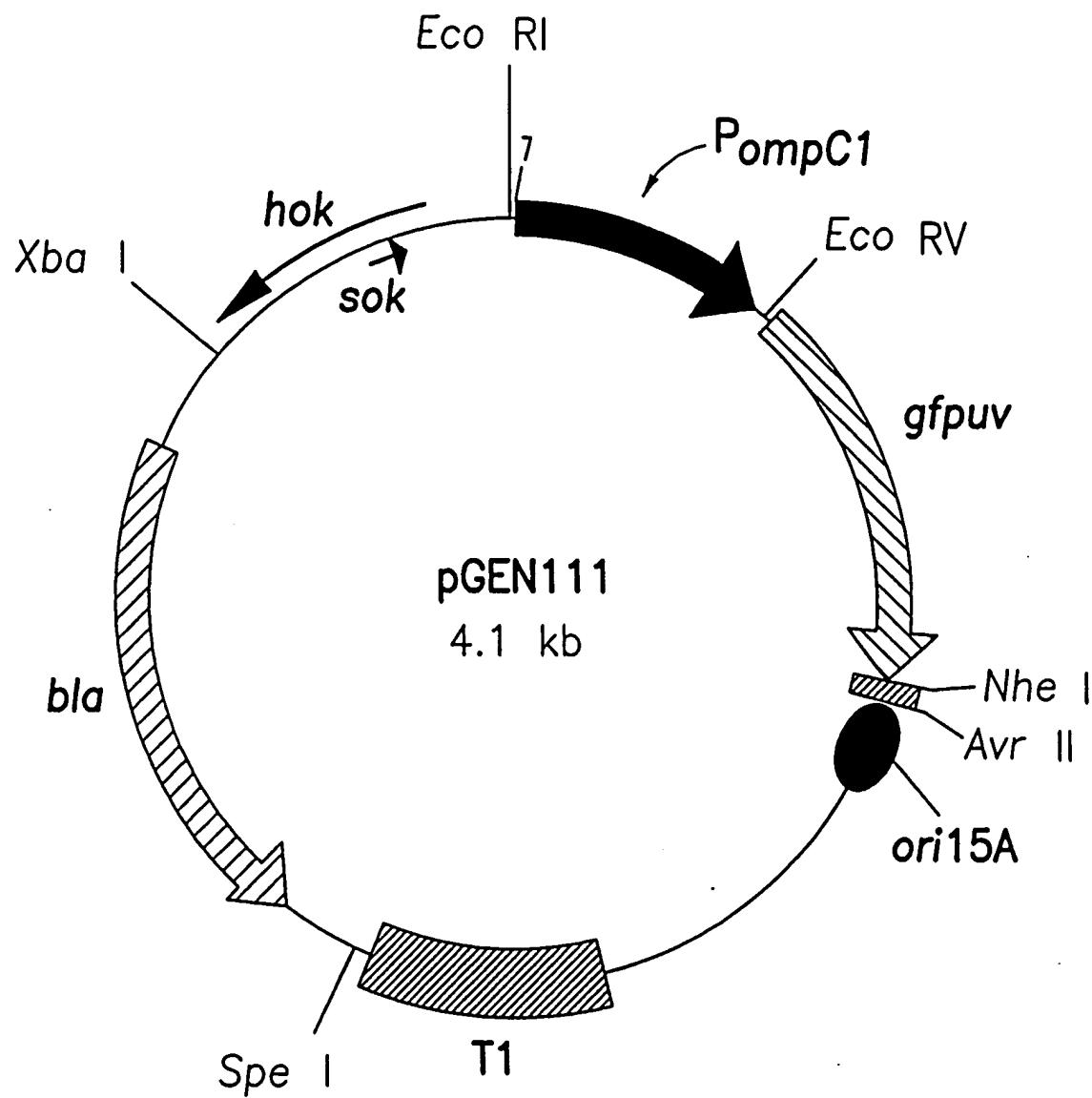


FIG.7B

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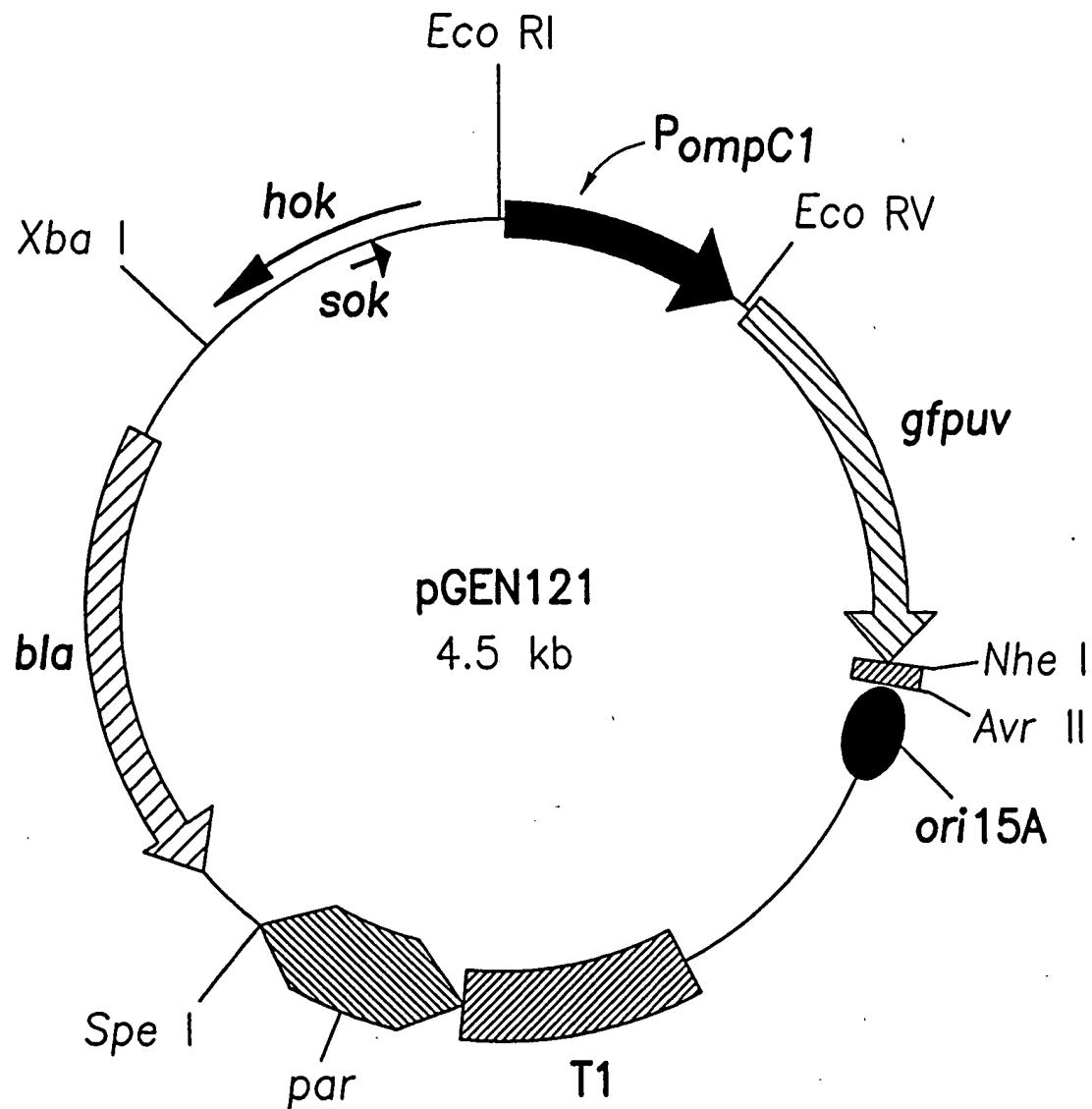


FIG.7C

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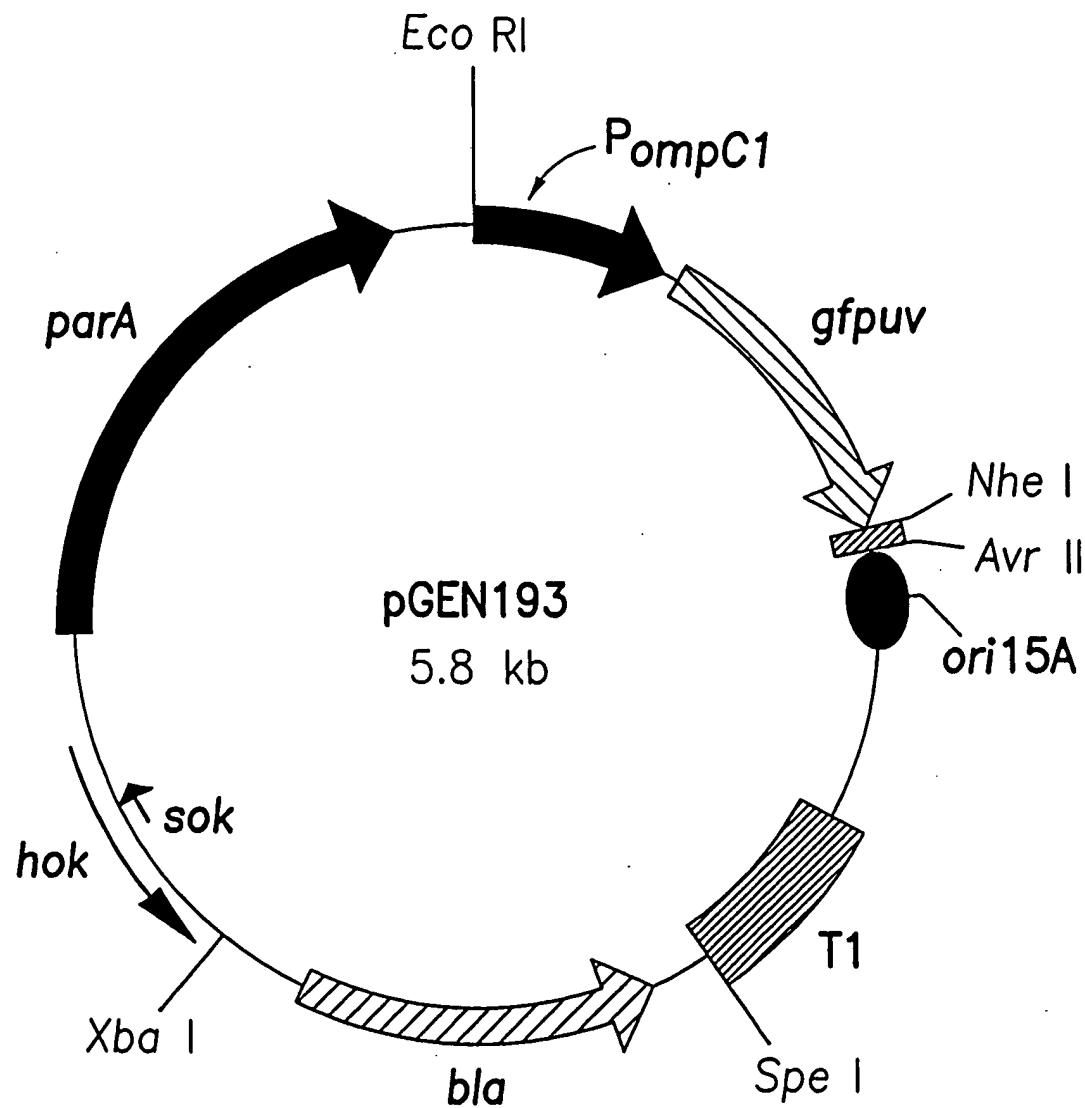


FIG.7D

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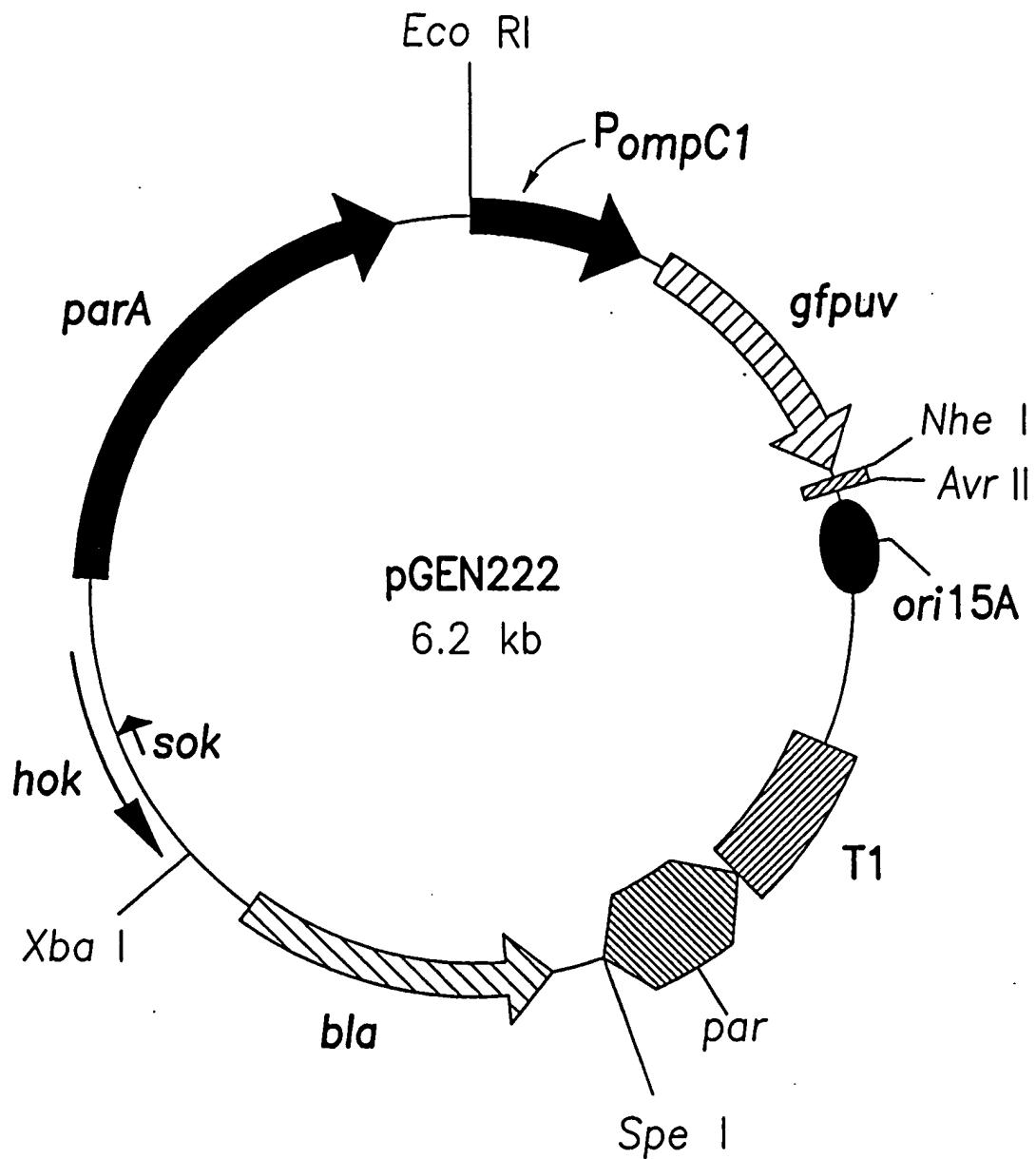


FIG.7E

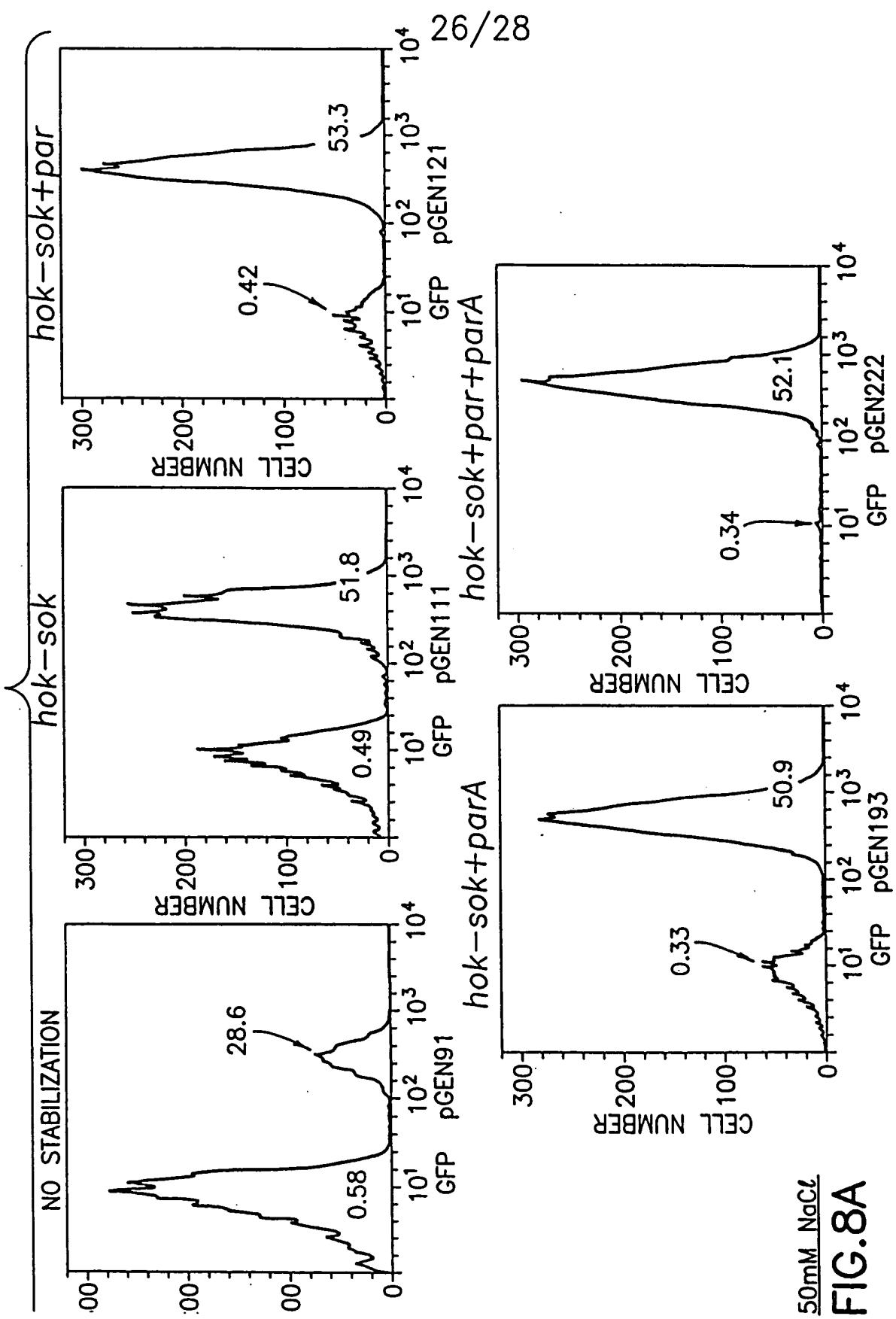
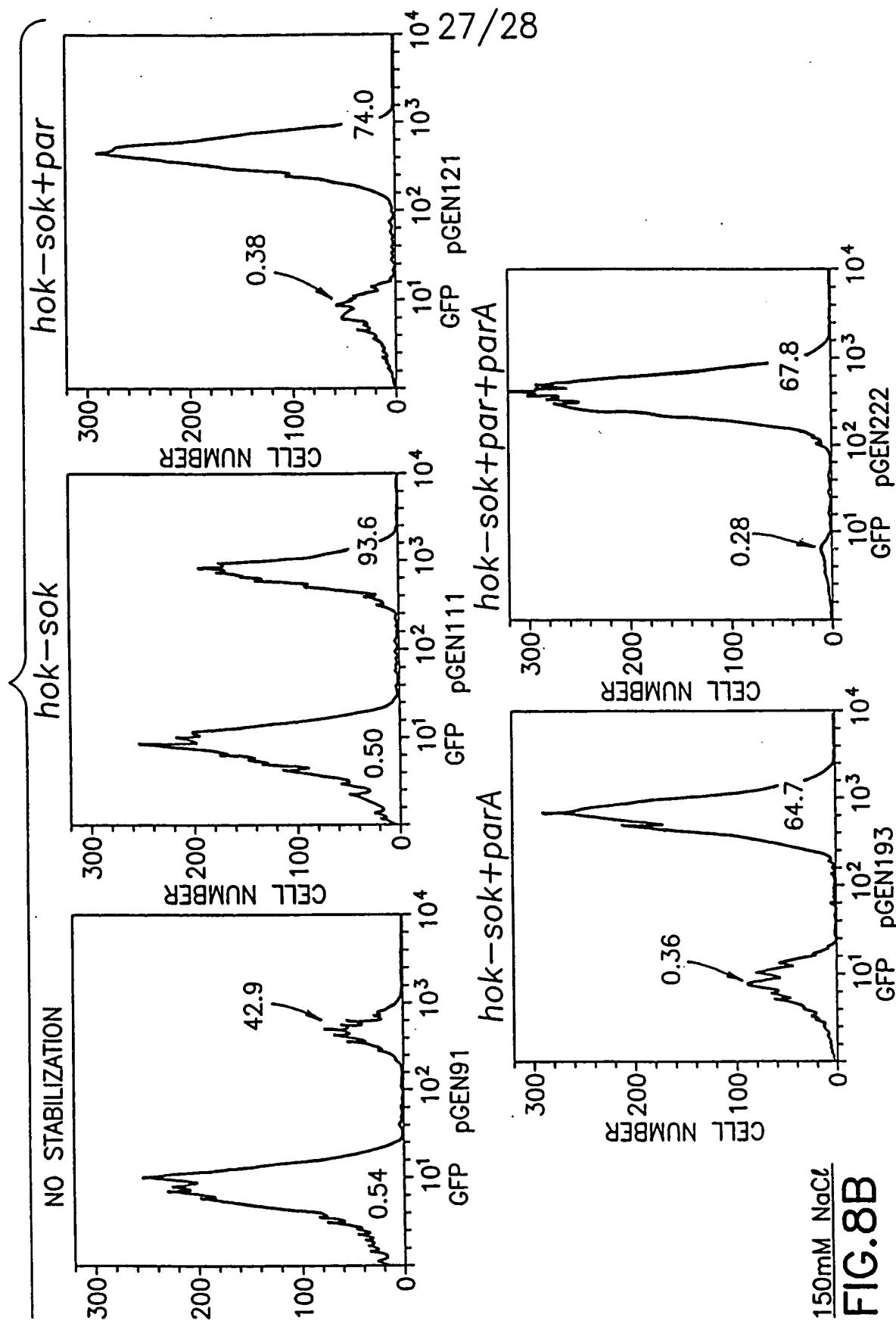


FIG. 8A



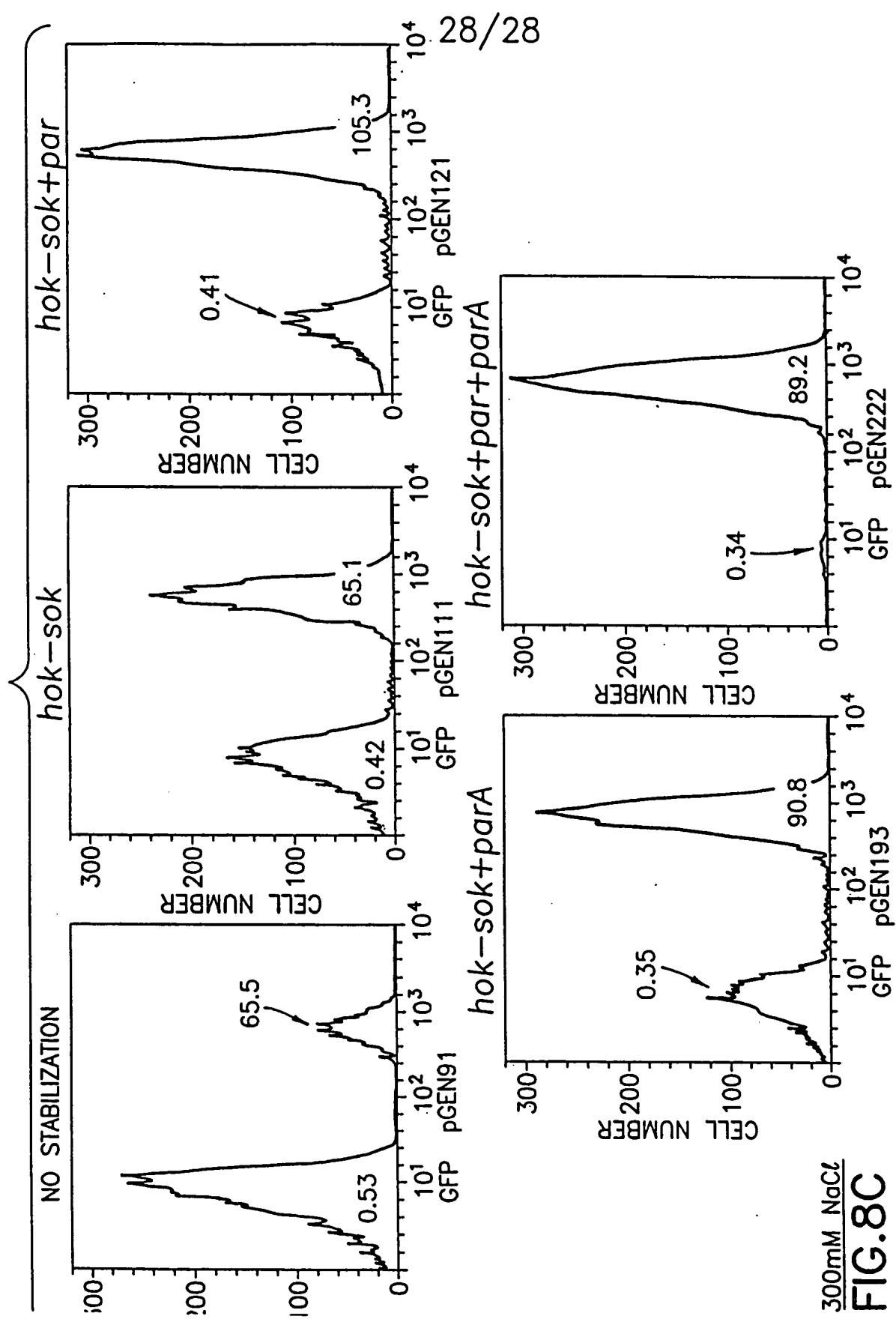


FIG. 8C